

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

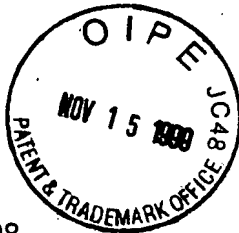
In re application of

KARAKASOGLU, et al.

Serial No. 09/169,776

Filed: October 8, 1998

For: APPARATUS AND METHOD FOR  
BREATH MONITORING



Examiner: ASTORINO, M

Art Unit: 3736

# 4/A

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, DC 20231 on 11-12, 1999.

Signed: Ann Lauber

## AMENDMENT

Assistant Commissioner for Patents  
Washington, D. C. 20231

Sir:

This amendment is in response to the Office Action of August 13, 1999. Amendment is requested to be made as follows:

RECEIVED  
NOV 19 1999  
TC 3700 MAIL ROOM

## IN THE CLAIMS

Please amend the claims as follows:

1. (Amended) Apparatus for breath monitoring by sensing respiratory air flow from the nostrils of the nose and/or the mouth of the face of a patient comprising an acoustical device for receiving less than the actual air volume exhaled and inhaled adapted to be positioned on the face of the patient in the vicinity of the nose and/or mouth of the patient and having at least one acoustic [duct receiving] space adapted to receive respiratory air flow from the patient, a change sensing sensor exposed to the acoustic [duct] space for sensing turbulence and/or pressure changes and/or sound in the respiratory air flow in the acoustic duct and providing an electrical output signal and means [for digitally] processing the electrical output signal including means for providing an estimated volume of air flow for to provide a real-time signal indicative of breathing of the patient.

SUB B  
A

A